Philips
plasma monitor with Pixel Plus

42"
WVGA

BDS4231R

Public Display Solution with High Video Quality

This stand-alone Pixel Plus professional VGA plasma monitor is most suitable for indoor public display applications which demand best in class video performance. This solutions controls cost and offers reliable performance.

High picture & video quality
- Enhanced Definition VGA panel for better picture resolution
- Pixel Plus for detail, depth and clarity
- Progressive Scan component video for optimized image quality
- 3D combfilter separates colors for a razor-sharp image
- Built-in TV tuner

Lower total cost of ownership
- Power consumption below the industry average
- Advanced anti burn-in functions to prevent ghost images
- Kensington anti-theft lock-ready for added security

Advanced connection to your audio/video products
- DVI-I provides the best picture and flexible connectivity

PHILIPS
sense and simplicity

Plasma monitor with Pixel Plus
42" WVGA

BDS4231R/00

Specifications

Picture/Display
- Display screen type: WVGA Plasma panel
- Panel Size: 42" / 106.7cm
- Aspect ratio: 16:9
- Diagonal screen size: 42 inch / 107 cm
- Panel resolution: 852 x 480p
- Pixel pitch: 1.08 x 1.08 mm
- Brightness: 1500 cd/m²
- Contrast ratio (typical): 10000:1
- Viewing angle: 160° (H) / 160° (V)
- Horizontal Scanning Frequency: 15 - 91 kHz
- Vertical Scanning Frequency: 50 - 85 Hz
- Screen enhancement: Anti ageing circuit, Anti-Reflection coated screen
- Picture enhancement: Pixel Plus, 3/2 - 2/2 motion pull down, Active Control + Light sensor, Comb Filter Digital, Picture in Picture, Progressive Scan, Widescreen Plus

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 72, 75, 85Hz
800 x 600	56, 60, 72, 75Hz
1024 x 768	60, 70, 75, 85Hz

- Video formats

Resolution	Refresh rate
1080i	50, 60Hz
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz

Connectivity
- Ext 1 Scart: CVBS in/out, RGB
- Ext 2 Scart: CVBS in/out, Y/C
- AV 3: S-Video Y/C, CVBS in, Audio L/R in
- Ext 4: DVI-I with HDCP, VGA PC-in, YPbPr, Audio L/R in
- Other connections: Antenna IEC75

Convenience
- Picture in Picture: Twin page text
- OSD Languages: English, French, German, Italian, Spanish
- Ease of Installation: Auto Volume Leveler, Autostore, PLL Digital Tuning, Plug & Play
- Ease of Use: On Screen Display
- Remote Control: Multi-functional
- Remote control type: RC4333/01
- Screen Format Adjustments: 6 Widescreen Modes, Auto Format, Subtitle and Heading Shift
- Teletext: 10 page Smart Text

Sound
- Output power (RMS): 2 x 7W
- Sound Enhancement: Smart Sound
- Sound System: Virtual Dolby Surround

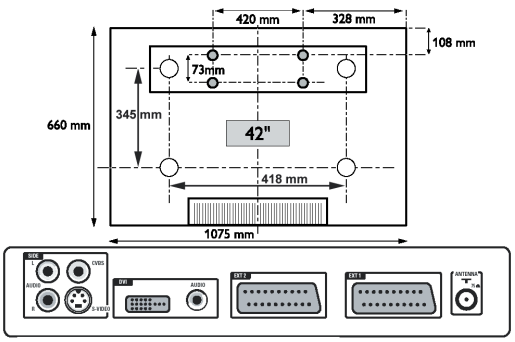
Loudspeakers
- Built-in speakers: 2

Tuner/Reception/Transmission
- Aerial Input: 75 ohm coaxial (IEC75)
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- TV system: PAL, SECAM
- Video Playback: NTSC, PAL, SECAM

Power
- Mains power: AC 220 - 240 V +/- 10%
- Power consumption: 195 Watts W
- Standby power consumption: < 2 W

Dimensions
- Height (w/o base & speakers): 660 mm
- Width (without base): 1075 mm
- Weight incl. Packaging: 47 kg
- Product weight: 42 kg
- Lifetime to 50% brightness: 60000 hr
- Temperature range (operation): 5°C to 40°C
- Relative Humidity: 20% - 80%

Accessories
- Included Accessories: Table top stand, Wall mounting bracket, Audio Cable, DVI cable, DVI-I to VGA adapter, Scart/RCA video adapter, VGA to YPbPr-Cinch cable, Remote Control, Battery, AC Power Cord
- Optional accessories: Ceiling mount BM04111&BM01111, Flex wallmount BM04111&BM02212
- User Manual: Eng, Ger, Dut, Fre, Spa, Ita, Pol, Tur, Nordic



Product highlights

Pixel Plus
Pixel Plus is a digital picture processing technology that increases the number of lines and the number of pixels. The result is razor sharp pictures with incredible detail and depth, every time from any source.

Progressive Scan
Progressive Scan doubles the vertical resolution of the image resulting in a noticeably sharper picture. Instead of sending a field comprising the odd lines to the screen first, followed by the field with the even lines, both fields are written at one time. A full image is created instantaneously, using the maximum resolution. At such a speed, your eye perceives a sharper picture with no line structure.

3D Combfilter
The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

Built-in TV tuner
Some applications have the need for more than PC inputs. The RF tuner for television signal reception and the video connectors like s-video, scart and component video offer a wide choice of input possibilities for multiple devices.

Advanced anti burn-in function
A protective function called "pixel shift" has been implemented. When the protection mechanism is activated the screen image automatically shifts its pixel positions to prevent "image ghosting". Secondly, burn-in recovery has been implemented. Depending on the model, ghost images are removed by applying a full white signal on the whole panel for a certain amount of time or by reversing the image to achieve the same result.

Kensington lock compatible
Small apertures built into the display's frame for use with a locking device that secures a display to a fixed object for added protection against theft.

DVI-I Input
A DVI-I input connects the non-compressed high-bandwidth digital RGB signal from source to screen. By eliminating the conversion of the digital signals to analog, it delivers an unblemished and noisefree image, that is clear and flickerfree. The DVI input supports HDCP copy protection that allows viewing of copy protected programs from Digital Settop boxes, DVD players and HD recorders. DVI-I is future proof as it can be be connected to all HDMI devices (a converter cable is required). The DVI-I input also supports analog PC-VGA signals.

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